

A photograph of a rocket launch at sunset. The rocket is a vertical column of dark smoke and fire, ascending from the horizon. The sky is a mix of orange, red, and purple, with a bright yellow sun low on the horizon. The water in the foreground is calm, reflecting the colors of the sky and the rocket's trail. The overall scene is dramatic and captures a significant moment in space exploration.

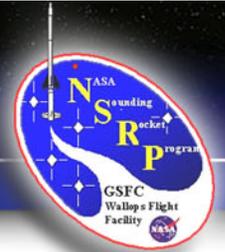
***NASA Goddard Space Flight Center's
Wallops Flight Facility***

***Supply Chain
2012***

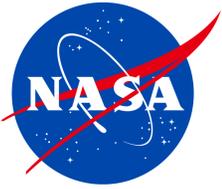
***William Wrobel
October 17, 2012***



Sounding Rocket Program Office



- NASA Sounding Rockets Program
 - Executes approximately 15 to 20 suborbital rocket missions annually
- Program was originally implemented by a civil service workforce with various individual contracts for support services and hardware.
- Program was transitioned in 1998 to a fully contractor implemented program under the NASA Sounding Rockets Operations Contract (NSROC).
 - Engineering services
 - Technical services
 - Operation and management of fabrication, hazardous materials storage, and testing and integration facilities
 - Business and financial management
 - Logistics, property, information, and configuration management
 - Subcontract management
 - Acquisition of materials and supplies
 - Rocket motors
 - Payload subsystems
 - Electronic and mechanical hardware and raw materials
 - Operations planning and scheduling
 - Safety (OSHA) and quality assurance
 - Training and certification
- Challenges included building a contractor workforce with capabilities necessary to assume responsibilities previously performed by NASA civil servants.
- Successful transition demonstrated by maintaining the annual mission success rate at greater than 85 percent (metric established by NASA HQ for the program).



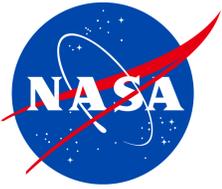
Balloon Program Office



Wallops Flight Facility

- ◆ The GSFC's WFF Balloon Program Office provides high altitude stratospheric balloon platforms for space and Earth science investigations at the edge of space.
- ◆ An offsite prime contractor, utilizing subcontractors as needed, provides all the services required to operate the Columbia Scientific Balloon Facility in Palestine, Texas, and conducts balloon campaigns worldwide.
- ◆ Past challenges have mainly occurred with acquiring helium for international launch locations.





Aircraft Office



Wallops Flight Facility

- ◆ The GSFC's WFF Aircraft Office provides aircraft/Unmanned Aerial System (UAS) to perform airborne science, range surveillance, logistical support, and a variety of other customer needs domestically and internationally.
- ◆ An onsite prime contractor, utilizing subcontractors as needed, performs routine maintenance and mission support activities for each aircraft/UAS on a daily basis.
- ◆ Parts for FAA certificated aircraft are procured from a variety of commercial vendors as needed.
- ◆ Parts for military heritage aircraft are procured from the military supply chains as needed. The military supply chains and personnel are very helpful in supporting NASA missions.
- ◆ Past challenges have mainly occurred with acquiring parts assigned for war reserve or from preservation aircraft for military-type aircraft.





Range and Mission Management Office



- LJT & Associates is Range Operations Contract (ROC) Prime.
- Primary Deliverables are:
 - Operations and Maintenance of >\$250M worth of equipment supporting Tracking, Data Acquisition, Command, and Control for Launch Range Operations. Includes deployments to locations worldwide and engineering development of new systems.
- Recent Highlights:
 - Standup of new Ground Operations services for spacecraft fueling and cleanroom operations in support of Commercial Resupply of Station. New service includes commodity management as well as new types of services offered at Wallops Range.
 - Flawless operational performance of 5-rocket / 5-minute salvo launched from the Wallops Flight Facility. Operation involved every tracking asset with no room for error. Eleven (11) launches supported in period.
 - Mobile deployments of personnel and equipment to Norway, Alaska, North Carolina, Bermuda, and South Africa for Sounding Rockets, ELV launches and science campaigns.
- Challenges:
 - Standup of commodity delivery given unpredictable need and short response times.
 - Quick-response shipping to science locations in harsh weather
 - Interface management: Integration of state of the art systems with legacy systems



Employee Supply Chain

Wallops Flight Facility

